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by Norihiko Hirokita.

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NIN 3-7-63

Sci. - Biol./Med. Sci.

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Part I - Studies on Delay Powder Measurements of
Temperature of Combustion of Delay Powder, by
Shoji Nakamura, Tsutomu Hikita, 8 pp.

JAPANESE, per, Industry Explosive Society of Japan,
1959, pp 275-279.

319th MI Bn
I-1955
ID 2201235

Sci - Nuc Phys
Nov 62

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Composition Pressure of Delay Powders
by Shoji Nakamura, Tsutomu Hukita, G. A. J.

JAPANESE, part, Industry Society of America, 1962
pp 356-360.

329th MI Bn
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ID 8203635

Sci - Mech/Phys

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A Description Mechanical of Oxyhydrogen, by H.H.
by Shoji Takahara, Tentative Edition, 1960.

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Japan, 1960, pp 2-6.

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Velocity of Delay Powders, by Shoji Nakahara,
25 pp.

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I-1958
ID 2203238

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Sci - Mac Phys
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no.

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Nakahara, Shoji

Studies on delay powders, by Shoji Nakahara and Tsutomu Hikita. Washington, HQ, Dept. of the Army, Office, Assistant Chief of Staff for Intelligence, 1962.

8 p. 35 cm. (English translations of literature relating to mineral industries. No. 660.)

Translated from the Japanese.

From Enjiyaku ni kansuru kenkyu.

I. Explosives.
jt.auth. II. Title
(Series)

II. Hikita, Tsutomu,
: Delay powders.

III

Surface-Wave Transmission Lines Using Thin
Dielectric Sheet, by Masao Sugi, Tamoo Nakahara,
10 pp.

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Communications Engineers of Japan, Vol. XXIV,
No. 3, 1959, pp 731-737. 9220100

DRH Canada

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May 64

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Activation Analysis of Short Life
Nucleides: II, by Nakai, 7 pp.
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Vol LXIII, 1940, pp 184-187.
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Jul 66

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The Course of Fiber Formation From Viscose;
Mechanism of Coagulation, by A. Nakai,
19 pp.

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1959, pp 527-531.

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Mar 62
Vol. IV, No 2

188,838

61-16*90

Nakai, Akiyoshi.
THE COURSE OF FIBER FORMATION FROM VIS-
COSE: MECHANISM OF SKIN-CORE DIFFERENTIA-
TION. [1961] [34]p. 24 refs.
Order from SLA \$8.60

61-16580

Trans. of Sen-i Gakkaishi (Japan) 1959, v. 15, no. 9,
p. 708-715.

DESCRIPTORS: *Synthetic fibers. Production. *Cellu-
lose, Processing. Coagulation. Fibers.

Cross-sectional sections of filaments which had been
spun out into several types of coagulation baths were
observed under polarized light, and their cross-
sectional orientative property was sought. From in-
formation thus obtained, we have explained the com-
pressive orientation effect and stretching orientation
effect which accompany contraction in the course of
viscose fiber formation. In their relationship with the
coagulation mechanism. We have explained the mecha-
(Materials--Textiles, TT, v. 6, no. 5) (over)

I. Nakai, A.

Office of Technical Services

61-16581

Nakai, Akiyoshi.
STUDIES ON MODEL CELLULOSE GELS COAGU-
LATED BY TWO-BATH TREATMENT FROM VIS-
COSE. Rept. no. 1 of Coagulation Effect on Structures
of Regenerated Cellulose. [1961] [21] p. 15 refs.
Order from S.L.A. \$2.60 61-16581

I Nakai A.
II Title: Coagulation...

Trans. of Sen-i Gakkaishi (Japan) 1959, v. 15, no. 2,
p. 90-94.

DESCRIPTORS: *Cellulose, *Gels, Analysis, *Cellu-
lose chemistry, Coagulation.

The present examination refers to cellulose gels co-
agulated freely by the procedure by which the formation
process is broken up into individual phases: (1) gelatin-
ation of viscose, and (2) regeneration of this xanthate
gel to cellulose itself. Fine structures of both fresh
and dry gels, such as equilibrium absorption of dye,
accessibility and lateral-order distribution, were in-
vestigated with regard to various conditions of Na_2SO_4
(Materials--Textiles, TT, v. 6, no. 5) (over)

Office of Technical Services

Nakai, Akiyoshi.

BEHAVIOR OF MODEL FILAMENTS DURING GELATINATION AND REGENERATION IN RELATION TO THE STRUCTURE OF THEIR PRIMARY CELLULOSE XANTHATE GELS. [1961] [10]p. 6 refs.
Order from SLA \$1.10

61-16579

Trans. of [Sen-i Gakkaishi] (Japan) 1959, v. 15, no. 1, p. 9-12.

DESCRIPTORS: *Cellulose. *Gels. Analysis. Physical properties. *Cellulose chemistry. Coagulation. Filaments. Fibers. Regeneration.

The physical properties and behaviours of the isotropic xanthate filaments during their gelation, conversion to cellulose, and drying, were studied, in relation to the means by which coagulation is brought about (coagulant, temperature, degree of ripeness of viscose). The following are examined: shrinkage behaviours during each process, diffusion rate of regenerating solution. (Materials--Textiles, TT, v. 6, no. 5) (over)

61-16579

1. Title: Gelatination
1. Nakai, A.

Office of Technical Services

Nakai, Akiyoshi.
ON DETERMINING THE CRYSTALLINITY OF CELLULOSE FIBERS ON WHICH COHESIVE STRUCTURES ARE NOT SET IN STABLE STATE. [1961] [9]p.

6 refs.

Order from SLA \$1.10

61-16578

Trans. of [Sen-i Gakkaishi] (Japan) 1959, v. 15, no. 1, p. 13-15.

DESCRIPTORS: *Cellulose, *Rayon fibers, Crystallization, Hydrolysis.

By measuring the crystallinity of several viscose rayon fibers whose stability of cohesive structure varies radically by the acid hydrolysis method and iodine absorption method the feasibility of this method was established. During acid hydrolysis the recrystallization of the fibers depended greatly on the stability of the cohesive structure.

(Materials-Textiles, TT, v. 1, no. 5)

61-16578

I. Nakai, A.

Office of Technical Services

62-34452

Nagai, Masuo and Yoshikawa, Seibei.

STRENGTHENING EFFECT OF HEAT TREATMENT ON POLY-
PROPYLENE FIBERS. Dept. 1 of Study on Heat Treat-
ment of Polypropylene Fibers. Oct 62, 11p. (Nps)
available in refs.
Doc. Id. No. A 115, 17

I. Naga, A.
II. Yoshikawa, S.
III. File Study
IV. SA 649-S763
V. Goshizumi Aoki (Japan)

SA Code-S263

Ann. of Inst. of Science, (Japan), 1961, v. 17, no. 1, p.
9, 10-11 (10p).

See also 62-34451. "Polypropylene Fibers." Properties, Polymeriza-
tion, Structure, Physical Properties, Molecular
Structure, Research, Synthesis.

$$f = \frac{1}{2} \left(\frac{1}{2} \right)^{1/2}$$

(Materials: Textiles, TE, v. 8, no. 12)

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Patho-physiological Study of Diffuse Endocrine
System. I. Several enzymes, by Genya NAKAI,
Yoriaki, KIRATA, 4 pp. (File)

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Vol XXXVIII, No 1-6, 1949, p 103.

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38, 3/0

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Aug 56 CTB/dex

Treatment of Some Melts With Low Ultra-
sonic Energy, by Y. Hagano, K. K. Hakai.

JAPANESE, per, Tetsu To Hagane,
Vol XLVI, No 10, 1960, pp 1209-HE 1211.

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Sci - Electron
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The use of Radioactive Elements. I.
Synthesis of α -Methyl- β -methyl
ketones - β - [^{14}C] Carbonylate
methanols, by M. Nakai, N. Sugii,
et al.

JAPANESE, per, Yakugaku Zasshi, vol LXIV,
1955, pp 1014-1015.

*AEC LB/G/ 2399

R Nakai

Sci- Chem
Jul 66

Study on Ascorbic Stibinic Acid. The Formula of
Phenylstibinic Acid, by Misaburo Nakai, Ryonosuke
Toguchi and Hajime Tomono, 7 pp.

CHUO-KOEN, Nakan Kosenchi (Reports of the Institute
for Chemical Research), Vol 15, Japan, 1949, pp 22-24.

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Scientific - medicine, chemistry
National Institutes of Health, Bethesda, Md.

Separation par Recul des Elements Lourds tels
que l'Uranium et le Neptunium d'Avec leurs Produits
de Fission, (Recoil Separation of Heavy Elements
Such as Uranium and Neptunium From Their Fission
Products), by T. Nakai, S. Yakima, 5 pp.

JAPANESE to FRENCH, per, Nippon Kagaku Zasshi,
Vol LXXIX, 1958, pp 1257, 1258.

Reverse trans
CEA 12 K-149

Nov 59

The dependence of Arsenic and Antimony in Meteorites on
by Neutron Activation, by Hiroshi Kamaguchi¹,
Masao Nakai, et al, 13 pp.

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No 11, 1961, pp 1485-1489. 9208804

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Doc. - Doc. Doc

Doc. 61

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Technical Report of the Japanese Association
for Radiation Research on Polymers,
by Hiroshi Nakai, Koji Matsuda,
J. A. P. NIKAI, et al. Japanese Association for
Radiation Research on Polymers, Vol. V,
1983, 1984. 9229500-V
AECN-TR-0000

Sci-Polym
Oct 84

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Importance of Isotopes in Medicine, by M. Nakaidzumi.

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Conference on Peaceful Uses of Atomic Energy Held
at Geneva 8-20 Aug 1955, Vol X.

Internatl Conf -- UH

Sci - Nuclear Physics

CIA 1-669.9.162

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Application of Nuclear Energy in the Solution of
Special Problems in Biomedical Research, by M.
Nakaidzumi.

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Conference on Peaceful Use of Atomic Energy Held
at Geneva 8-20 Aug 1955, Vol I.

Internatl Conf -- UN

Sci - Nuclear Physics

CIA 1-669.9.162

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Industrial Utilization of Fission Products; Radiation
Sterilization of Foods, by M. Nakaidzumi.

JAPANESE, paper P/1068, Proceedings of International
Conference on Peaceful Uses of Atomic Energy held
at Geneva 8-20 Aug 1955, Vol XV.

Internatl Conf -- UN

Sci - Nuclear Physics

CIA 1-569.9.152

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AEC-tr-4482(p.38-50) Uncl.

AREAS FOR HANDLING RADIOACTIVITY AND SAFETY
PRECAUTIONS. M. Nakaizumi.

C-23 P NSA

Second Japan Conference on
Radiotopes, Feb 1955

N-3

AEG-tr-4482(p.38-50) Uncl.

AREAS FOR HANDLING RADIOACTIVITY AND SAFETY
PRECAUTIONS. M. Nakaizumi.

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Handwritten note:
on 8/14/77, page 38-50

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Maximum Permissible Exposure Standards, by M.
Nakazumi.

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Conference on Peaceful Uses of Atomic Energy Held
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Internatl Conf -- UN

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CIA 1-669.9.162

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Action of Reserpine on a Phenomenon of
Hypothalamic "Neurosecretion", by B. Minz,
J. Thuillier, H. Nakajima, 6 pp.

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Biologie et de ses Filiales, Vol CLXII,
30 Sep 1959, pp 744-747.

SLA 60-14874

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New Conditions in Japan's Resistance to the UN-Japan
Security Treaty, by Nakajima Kenzo,

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Study of the Active Principles of Leucothoe
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Graganotoxin II, by M. Nakajima, J. Inasa, 11 pp.

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pp 11-13.

NIH Tr No 2-10

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Apr 1957 CDE/sex

43,409

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Allergenicity of Ascaristoxin and Tests for
the Prevention of Ascaristoxin Shock, by
M. Nakajima, 19 pp.

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May 1954, pp 73-81.

Nia Tr 102

Sci - Medicine

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TECHNICAL

Nakamura, Mikiyoshi.
 ETUDE DE LA STABILISATION DE L'ASPIRINE PAR
 L'EMPLOI D'AGENTS TENSIO-ACTIFS (Studies on
 Stabilization of Aspirin in Solution with Surface Active
 Agents, Vol. 16 reprint (included) Proc. CNRS-XXI
 404.

Order from: TS-110 or CNRS SOLAD 07-62-68807

Trans. in French of Progrès de Synthèse (April 1964,
 no. 84, p. 1684-1686).

DESCRIPTORS: *Salicylic acids; stabilization;
 *Surface-active substances; Hydrolysis; Solutions.

1. NAKAMURA, M.
 A. CNRS-XXI 404
 2. Centre National de la Recherche
 Scientifique, France.

(B) (unclassified) (E) (unclassified) (F) (unclassified) (G) (unclassified)

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Some Problems in the Manufacture of Seamless
Stainless Steel Tubing by the Mannesmann Plug
Mill Process, by S. Nakajima. URJL

JAPANESE, per, Tetsu to Hagane, No 6, 1957,
pp 663-668.

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Sci - Engr
Jun 60

Ring Cleavage of the Pyrrolidine Nucleus,
by T. Kan and S. Nakajima, 3 pp.

JAPANESE, per, J Tharu Soc Japan, Vol
LXXVI, 1956, pp 950-960.

Aaso Tech Serv-51M13J
\$4.85

Sci

Jul 58

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The High-Performance Fluoroglass Dosimeter
by Ryoosuke Yokota and Saburo ~~Yasui~~, 34 pp.

JAPANESE, ~~per~~, Toshiba Rabyu (Review), Vol. 8
No 2, pp 1-9, 1963.

AEC-UCRL-Tr-984

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Looking at Tomorrow's Methods of Steel Manufacture.
General Description of the Direct Method Production
of NF Type Steel, by S. Nakashima, T. Nakajima.

JAPANESE press, Kinzoku, Vol XXX, No 5, 1960
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F3 - Japan
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Sci - Min/Man
Jul 61

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Nakajyo, Hsueh and others.
OBSERVATIONS ON THE LEVEL OF ACTIVITY OF
LIVER CATALASE IN MUS MUSCULUS VAR.
ALBINUS, tr. by K. Shimizu 1961. 14p. 10 refs.
NRCC Technical Trans. 933.
Order from NRCC \$1.00 NRCC C-3575

Trans. of Osaka Shoinen Daigaku Igaku Zasshi
(Japan) 1953, v. 4, p. 377-380.

- I Liver--Biochemistry
- 2 Catalase--Determination
- I Nakajyo, H
- II NRCC TT-933
- III NRCC C-3575
- IV National Research Council
of Canada

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(Biological Sciences--Biochemistry, TT, v. 5, no. 9)

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The Reaction of Grignard's Reagent with Chlorinated
Oxide, by M. Nakama, 10 pp.

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70, 1949, pp 253-257.

CIA 98-152

Sci

Aug 59

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A New Method of Rearing Truncicula Fugii, by T.
Morishita, M. Nakamatsu, 5 pp.

JAPANESE, per, Nihon Iji Shimbun, No 1784, July 5,
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NIH 3-30-61

Sci - Med
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The Charge Distribution Method and Its Applications to
Organic Molecules, by Masahisa Kobayashi and Masao
Kobayashi, 54 pp.

Kobayashi, Journal Chemical Society of Japan, Vol 71,
1950, Japan, 1950, pp 57-70.

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Scientific - Chemistry

National Institutes of Health, Bethesda, Md.

The Mechanism of Purine Formation, by T. Kikuchi,
O. Nishimura, H. Seno, et al.

(No Source Given), 1956.

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63-18038

Nakamura, Fumiyu, Kumatani, Mitsuo and others.
THE ROLE OF ANTIBIOTICS ON THE TREATMENT
OF WHOOPING COUGH. TREATMENT OF EXPERI-
MENTALLY INDUCED WHOOPING COUGH. [1963]

10p. 18 refs.

Order from SLA \$1.10

63-18038

Trans. of Nihon Iji Shingyo (Japan) 1951. no. 1435,
p. 17-19.

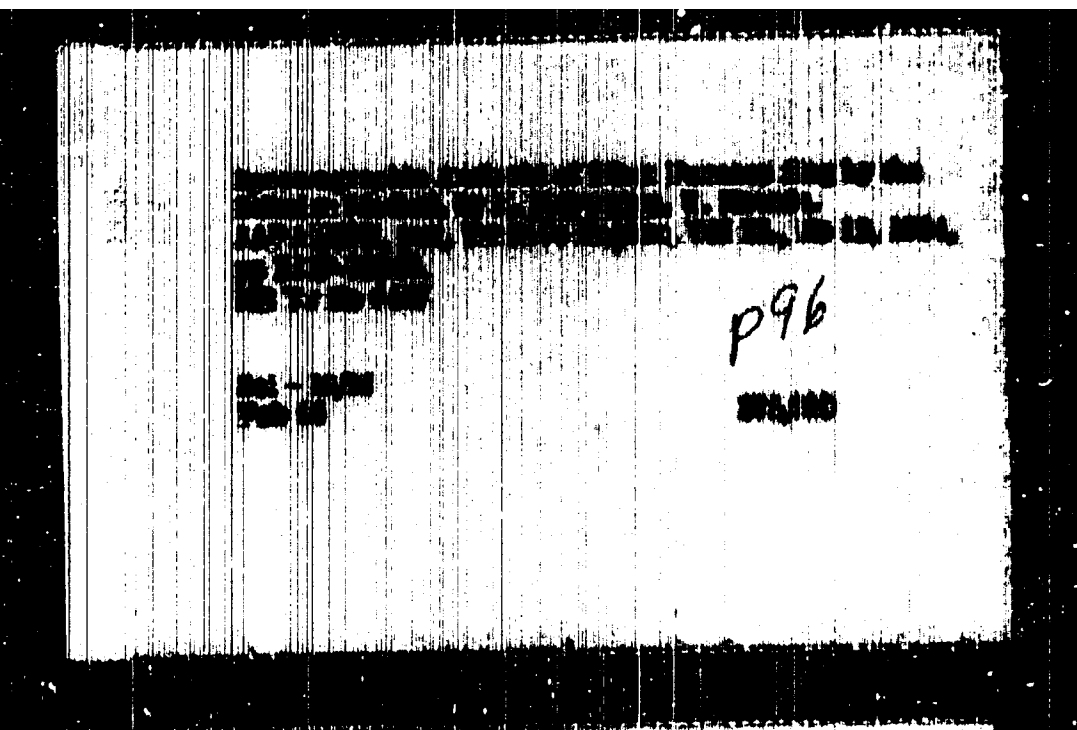
DESCRIPTORS: *Whooping cough, *Antibiotics,
*Colistimycin, *Streptomycin, *Aureomycin, *Chloro-
mycetin, Vaccines.

The current status of the therapy of whooping cough
with antibiotics is reviewed. The therapeutic effect of
colistimycin are described and its results are compared to
those of streptomycin, aureomycin, and chloromycetin.
Furthermore, the efficacy of streptomycin is compared
with that of pertussis vaccine. The therapeutic effect
(Biological Sciences--Pharmacology, TT, v. 10, no. 9)

(over)

- I. Nakamura, F.
- II. Kumatani, M.
- III. Title: Treatment ...

Office of Technical Services



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EXCEPT WHERE SHOWN OTHERWISE

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Study on Sensation in the Aged and Analysis of Sensation
by the Method of Factor Analysis, by Y. Kuroiwa, T. Tsu-
baki, Y. Toyokura, H. Nakamura, 4 pp.

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280.

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Sci - Med
May 58

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A General Interpretation of Fatigue Strength
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Cerebral Hemorrhage in Leukemia, by S. Ohtsuka,
K. Nakao, Y. Toyokura, H. Nakamura, T. Mayhara,
30 pp.

JAPANESE, JOUR, Saishin Igaku (Modern Medicine),
Vol XII, No 2, Feb 1957, pp 341-351.

NIH 8-7

Sci - Med

Sep 58

78, 4-92

Measurement of Permeability of Rolling-Steel
Axles to Ultrasound and Properties of Steel. By
H. Nakamura, R. Inoue.

JAPANESE, Int. J. of Metals, Vol. XIII, No. 9,
1957, pp 1074-1076.

Bruccher Tr 4159
\$2.75

Sci. & Ind. Int.
Jul 58

6/6 253

TT-64-12570

Nakamura, Hisatero and Kuroiwa, Kenichi.
METHOD OF MANUFACTURING CARBON TETRACHLORIDE AND PERCHLOROETHYLENE. Feb 64, Sp
Order from SA \$16.00 SA Code-P-252

Trans. of Japanese patent publication 2500/1963, cl.
16-B-21 (16-B-22) (appl. 23921/1955, filed 8 Sep 55)
pub. 25 Mar 63 (trial for refusal: 1004/1959) by
Kanto Electrochemical Industry Co., Ltd. (Abstract
available)

DESCRIPTORS. *Organic solvents, *Chlorocarbons,
*Carbon tetrachloride, *Ethylenes, Chlorides, Butanes,
Butenes, Butadienes, Chlorination, *Catalysts, *Charcoal.

The invention involves a method of manufacturing carbon
tetrachloride and perchloroethylene, characterized by
making a chlorine-substituted butane mixture having a
molar composition above butane heptachloride, a
chlorine-substituted butane mixture having a mean
(Chemistry-Organic, TT, v. 11, no. 7) (over)

- I. Title: Tetrachloro ethylene
- I. Nakamura, H.
- II. Kuroiwa, K.
- III. Patent (Japan) pub. 34-2506
- IV. SA-Code-P-252
- V. Sakimura Akki.
Fujisawa (Japan)

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The Problem of the Physiological Function of a
Catalase in the Human Organism; Notice of the
Discovery of a Constitutional Anomaly "Achromia
Catalasae," by Koozoo Kaziro, Goron Kikuchi, Heizoo
Hakamura, Masaru Yoshiya, 12 pp.

GERMAN, per, Chemische Berichte, Vol LXXXV, No 9-10,
pp 886-891.

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Scientific - Medicine
CTS/DEX

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The Tuna and Their Fisheries, by Hiroshi Nakamura,
119 pp.

Full translation.

JAPANESE, pam, Takeuchi Shobo, Tokyo, 1949.

S.L.A.

Scientific - Biological

Jul 55

27.052

Basic Conditions for Optical Tracking of Rockets,
by Tsuneyoshi Uemura, Hiro Nakamura, 13 pp.

JAPANESE, no per, Journal of the Institute of
Industrial Science, Vol VIII, No 10, 1956, Encl to
IR 1940-57, 6004th AISS.

AP 1097509

Sci - Aeronautics
Jun 57

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On the Food Habits of Yellowfin Tuna *Neothunnus Macrop-*
terus (Schlegel) from the Celebes Sea, by Hiroshi
Nakamura, 9 pp.

Full translation.

JAPANESE, per, Natural Hist. Soc. Of Formosa, Taiwan
Hakubutsu Gakkaishi, Vol XXVI, No 148, Jan 1936.

S.I.A.

Scientific - Biological

Jul 55

Tunas and Spearfishes, by Hiroshi Nakamura, 26 pp.

Full translation.

JAPANESE, per, Sci. of the Seas, Kairei no Kagaku,
Vol III, No 10, Oct 1943.

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Scientific - Biological

27051

Jul 55

AEC-tr-4482(p.768-75) Uncl.

THE STUDY ON METABOLISM OF C¹⁴ LABELED
DEXTRAN. I. Nakamura and M. Kogasahara.

C-23 P NSA

*Received Japan Biological
Ministry of Health 10/1/54*

N-4

AEC-tr-4482(p.768-75) Uncl.

THE STUDY ON METABOLISM OF C¹⁴ LABELED
DEXTRAN. I. Nakamura and M. Kogasahara.

C-23 P NSA

N-4

AEC-tr-4482(p.768-75) Uncl.

THE STUDY ON METABOLISM OF C¹⁴ LABELED
DEXTRAN. I. Nakamura and M. Kogasahara.

C-23 P NSA

*Second Japan Conference
on Metabolism*
N-4

AEC-tr-4482(p.768-75) Uncl.

THE STUDY ON METABOLISM OF C¹⁴ LABELED
DEXTRAN. I. Nakamura and M. Kogasahara.

C-23 P NSA

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AEC-tr-4482(p.768-75) Uncl.

THE STUDY ON METABOLISM OF C¹⁴ LABELED
DEXTRAN. I. Nakamura and M. Kogasahara.

C-23 P NSA

Handwritten notes in cursive script, mostly illegible.

N-4

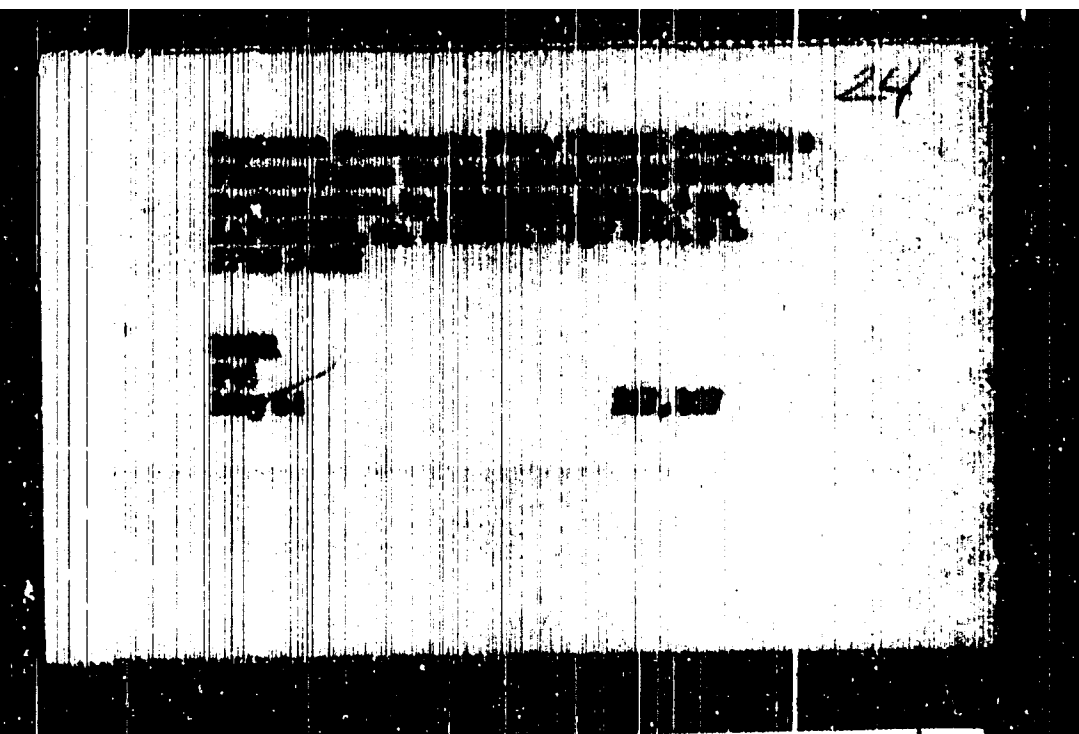
AEC-tr-4482(p.768-75) Uncl.

THE STUDY ON METABOLISM OF C¹⁴ LABELED
DEXTRAN, I. Nakamura and M. Kogasahara.

C-23 P NSA

*Second Japan Conference on
Radioisotope Topics, Feb 1968*

N-4



TT-64-12918

Nakamura, J., Minegishi, J., and Omoto, Y.
FIEBEL-CRAFTS REACTION OF CYCLOHEXYL
CHLORIDE WITH BENZENE. (1964) 12p
Order from K-H \$7.50

K-H-11949-c

Trans. of Kyoto Kagaku Zasshi (Japan) 1962, v. 65
[no. 2] p. 2047.

- I. Nakamura, J.
- II. Minegishi, J.
- III. Omoto, Y.
- IV. K-H-11949-c
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Chemistry--Organic, TT, v. 12, no. 1)

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TT-64-12919

Nakamura, J., Minogishi, J., and Omoto, Y.
PHOTOCHEMICAL CHLORINATION OF CYCLOHEXANE
[1964] 24p
Order from K-H \$14.49 K-H-11949-b

Trans. of Kyoto Kagaku Zasshi (Japan) 1963, v. 66,
no. 2, p. 201-208.

I. Nakamura, J.
II. Minogishi, J.
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IV. K-H-11949-b
V. Kresge-Hooks: Science
Library Associates,
Detroit, Mich.

(Chemistry--Organic, TT, v. 12, no. 1)

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An Apparatus for the Chlorination of Acetylene. S.
Makamura and O. Iwamura Inventors, 3 pp.

JAPANESE, Patent No 5020, 1951; Date of Appli-
cation Dec 29, 1949.

AKM-77812J

Sci + Engg

ATS 57-1012

Jan 59

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TT-65-14022

Field 7C

Nakamura, J. Onote, Y.

OXIDATION OF PHENYLCHLORIDE. 20p

(figs omitted) 7refl.

Order from SLA: \$1.60 as TT-65-14022

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JAPANESE, JOC, KOKU GAKKAU SHUHI, Vol 57, 1954,
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DESCRIPTORS: *Cast iron, Crystallization, Calcium
compounds, Silicon compounds, Castings, Tensile
properties, Hardness, Grain structure (Metallurgy).

(Metallurgy--Ferrous Metals, TT, v. 11, no. 9)

- I. Title: Inoculation
(metallurgy)
- I. Nakamura, K.
- II. Kawasaki, S.
- III. Title: On the ...

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The Dynamic Problems of the Wheel Axles of
Railway Vehicles (Report 1), Method of Stress
Measurement, by K. Nakamura.

JAPANESE, per, J Railway Eng Soc Japan, Vol
XXI, pp 287-296, 1956.

INSDOC-F1813

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RELATION BETWEEN THE STRENGTH OF CAST
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Order from SLA \$1.10

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DESCRIPTORS: *Cast iron, *Metallography, Graphite,
*Tensile properties, Grain structure.

(Metallurgy--Ferrous Metals, TT, v. 11, no. 9)

I Nakamura, K
II. Title: Relation...

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Order from SLA m\$2.40, ph\$3.30

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Several types of commercial plasticizers were mixed with cellulose acetate and the resulting relations with the static and impact rupture energies were studied. Results indicated that for a specific plasticizer Boyer's equation (J. Appl. Phys. 22: 723, 1951) is valid for the relationship between the plasticizer quantity and the tensile strength. Toughness and impact rupture energy are highest by the use of a plasticizer whose solvent power is of the degree causing a slight swelling of cellulose triacetate. Furukawa's equation $\ln E = \ln E_0 - \frac{\{1 - \exp(h^*/kT)\}}{1 + \exp(h/kT)}$ is applicable to the relationship between (Materials--Plastics, TT, v. 5, no. 12) (over)

1. Plastic films--Mechanical properties
2. Plasticizers--Test results
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4. Title: Study...

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NAKAMURA M., SUZUKI S.

The metallographic effect of oxygen on zirconium

Reports of the Japan Government Industrial Research Institute,

7, No. 9, 652-657 (1958)

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JAPANESE, per, Nippon Kokan Tech. Rep.
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*EISI 4040

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TT-65-14263

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Order from SLA: \$1.60 as TT-65-14263

Trans. of Sekiyo Gakkai Shi (Japan) v6 n3 p191-6 1963.
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Nagoya Kogyo Gijutsu Shikensho Hokoku, 8, No. 4.

311-316 (1959)

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The Metallographic Effect of Oxygen on Zirconium,
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Vol VII, No 9, 1958, pp 652-657.

ATB JJ-1751

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STUDIES ON SYNTHESIS AND X-RAY SPECTRA OF
ETHYLENE-PALLADIUM CHLORIDE COMPLEX.

[1963] [17p] 9refa

Order from SLA \$11.60

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I. Nakamura, M.
II. Gensji, K.

Trans. of Sekiyu Gakkai Shi (Japan) 1962, v. 5, p. 72-73.

DESCRIPTORS: *Complex compounds. *Ethylene.
*Palladium compounds. *Chlorides. Synthesis (Chemistry). X-ray diffraction analysis. Acetaldehyde. Vinyl radicals. Acetates. Acetals. *Catalysis. *Organic solvents.

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An ethylene-palladium chloride complex was easily formed by direct reaction of ethylene with palladium chloride in a non-polar solvent system, such as pentane, carbon tetrachloride, benzene, or p-dichlorobenzene. (Organic, "T", v. 10, no. 12) (Chemical Abstracts, 1963, 57:12, 12414c)

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TT-65-11463 91-4-70

Nakamura, S., Genji, K.
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INFLUENCE OF THE PSYCHOLOGICAL COMPLEX
Foreign text included: 11/11/65
Order from SLA: SL-65-11463

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*AKC 113-23

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Nakamura, Senichi, Azuma, Nobuyuki, and Arai,
Zenzaburo.

DECOMPOSITION OF BORON NITRIDE WITH ACID
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Order from SLA mi\$2.40, ph\$3.30

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Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 6, p. 903-906.

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I. Boron nitrides--
Decomposition

- I. Nakamura, S.
- II. Azuma, N.
- III. Arai, Z.

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(Chemistry-Physical, T1 v. 5, no. 12)

Nakamura, Shotchi.

METHOD OF TREATING VINYL ACETATE-
METHANOL MIXED LIQUOR. Feb 64 [11p]

Order from SA \$16.00

SA Code-P-246

Trans. in manuscript of published Japanese patent
6459/1963, 20 May 63, cl. 16-8-612 (16-B-411)
(13-A-231) (appl. no. 8565/1960, 14 Mar 60) (Abstract
available)

DESCRIPTORS: *Acetates, *Methanols, Mixtures,
Separation, Distillation, Vinyl plastics, Preparation,

The invention involves a method of treating vinyl
acetate-methanol mixed liquor characterized by ex-
tracting in counter-current vinyl acetate-methanol
mixed liquor with extracting agent such as water,
aqueous solution of salt, separating into vinyl acetate
or vinyl acetate-methanol mixed liquor above azeotropic
(Chemistry--Organic, TT, v. 11, no. 6) (over)

TT-64-1264

1. Title: Counter-current
extraction
2. Title: Vinyl acetate
- I. Nakamura, S.
- II. Patent (Japan) pub. 35-6459
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[Annual Conference] of the Chemical Society of Japan
(no. 12) 2 Apr 59. [1961] [16]p. 14 refs.
Order from SLA \$1.60 61-16125

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DESCRIPTORS: Saccharides, *Glucose, *Polymerization
Condensation reactions, Polymers.

I. Nakamura, T.
II. Title: Annual...

[Office of Technical Services]

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 4-ethylbenzyl, by K. Nakamura, M. Sakai.
 J. Polym. Sci., Part A: Polym. Chem., 1981, 19, 1171-1176.
 0360-6376/81/0019-1171\$01.00

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Insoluble High Polymers Containing Thio Groups, 100
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JAPANESE, per, Kenkyu Kagaku Zasshi, Vol 58,
1955, pp 269-273.
NED-69-16280-07C

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